



# **Liquid Metal Equipment**

## **From Hanford**

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Livermore, CA**



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,  
for the United States Department of Energy's National Nuclear Security Administration  
under contract DE-AC04-94AL85000.



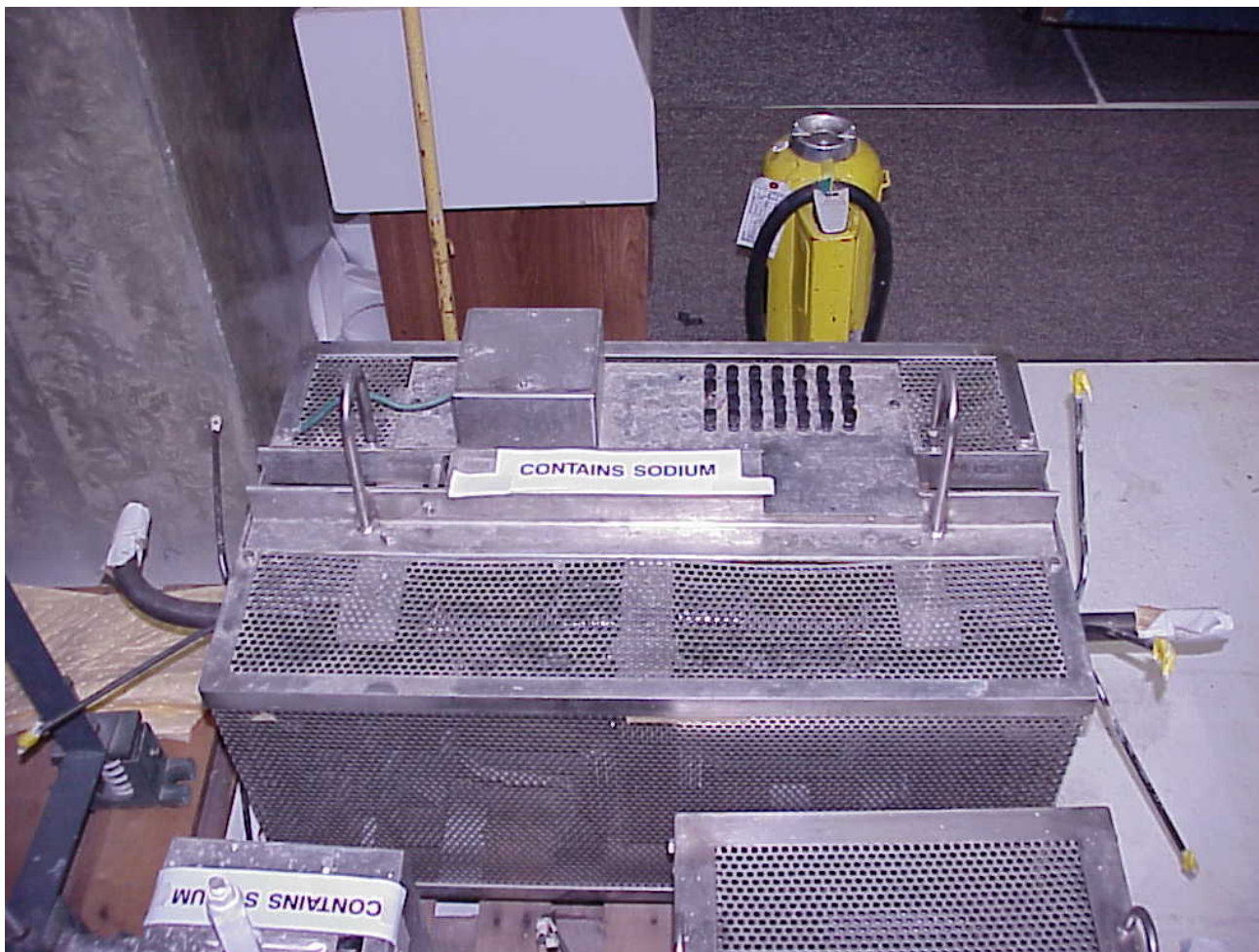


# Outline

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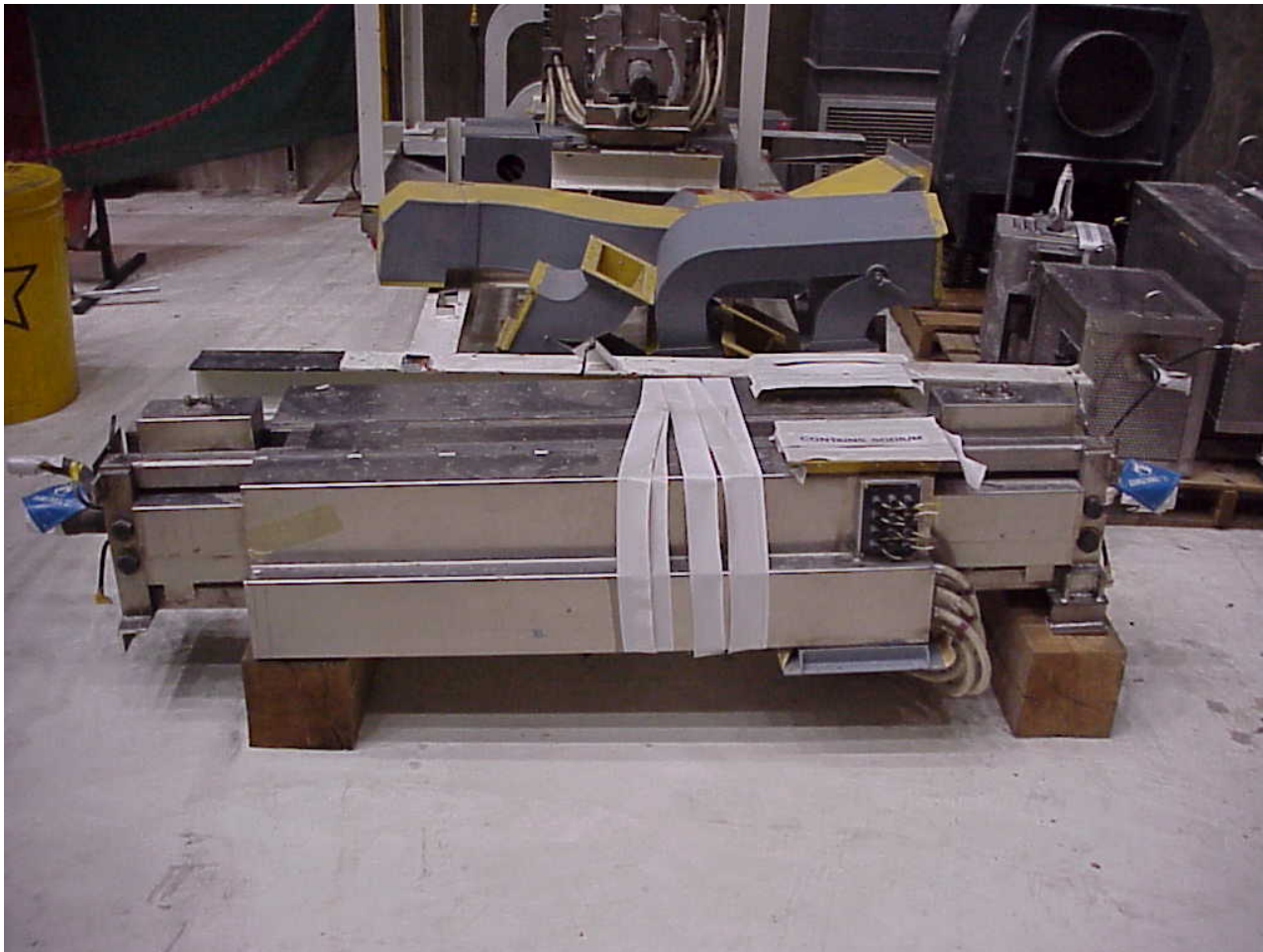
- **Most of the equipment is located at Sandia**
- **Three pumps remain to be shipped**
- **These were delayed because they are too big for an approved shipping container and need an exception from DOT**
- **Two of these pumps are the ones that might be used on NSTX and the third is identical to one we have**
- **Additional equipment will become available at Hanford (pumps, valves, etc.)**

# EM Pump

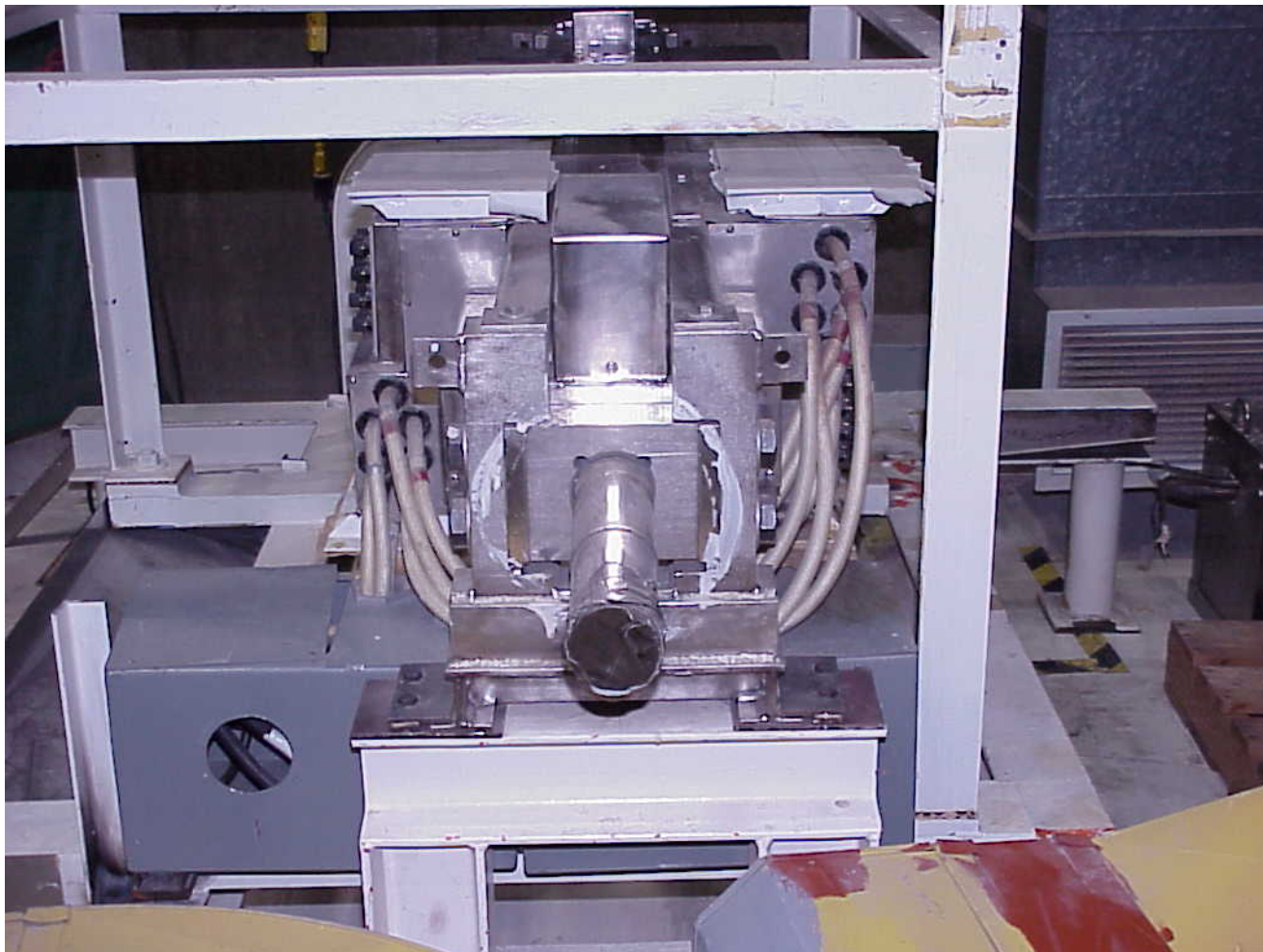


# Large EM Pump

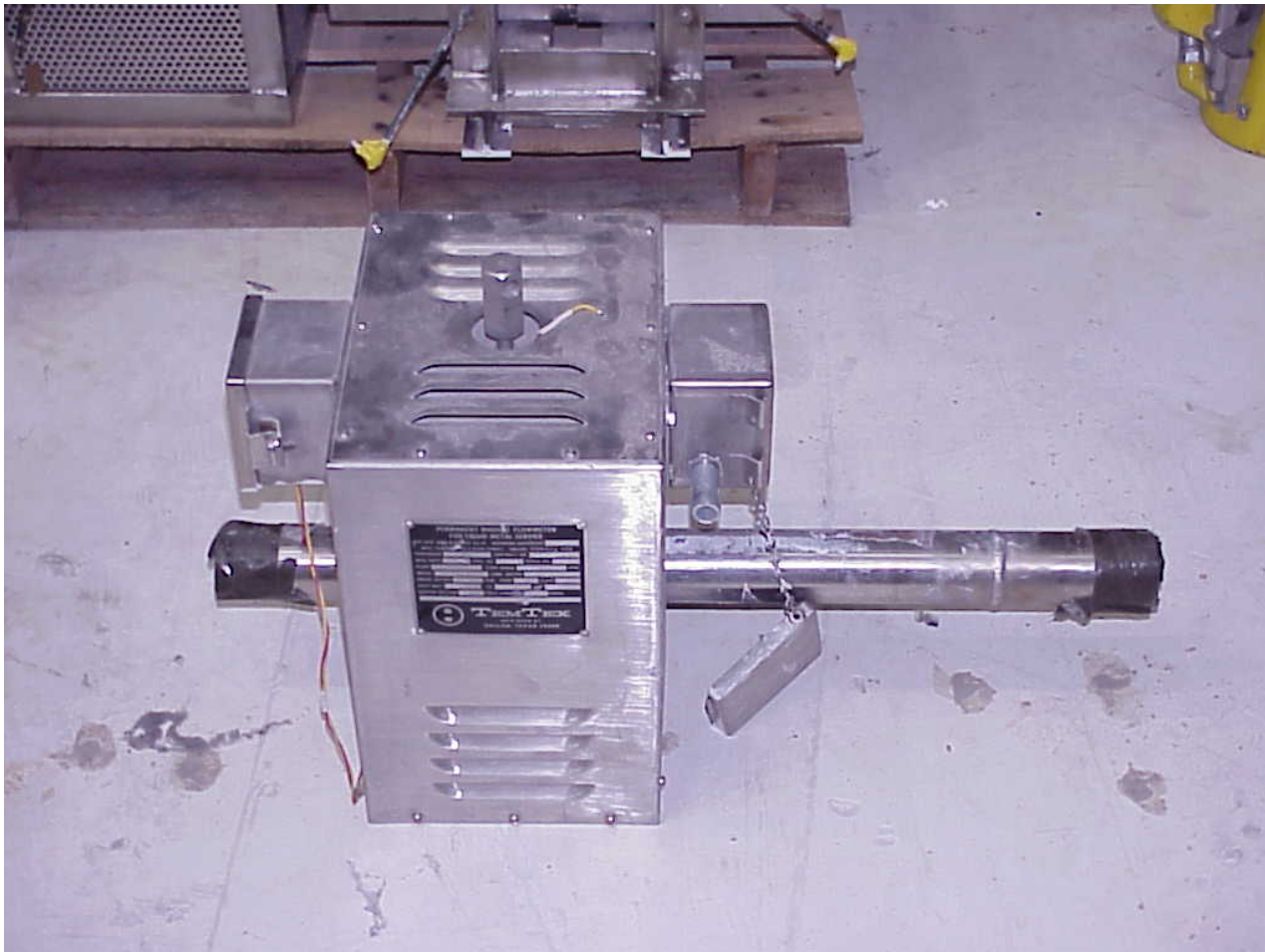
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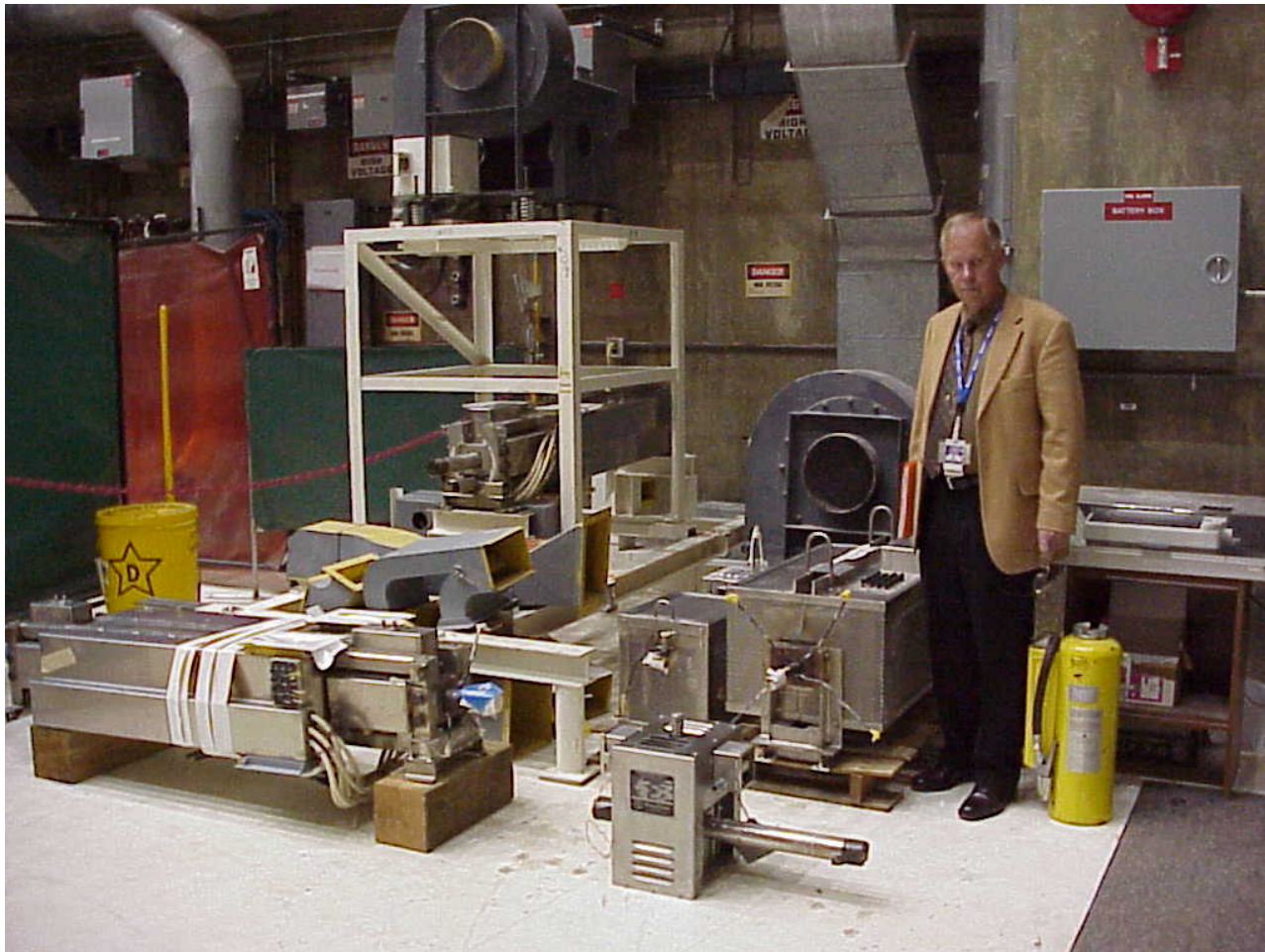
# Large EM Pump



# Flow Meter



# Ensemble of LM Equipment





# Summary of Equipment at SNL

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- EM Pumps: 2-L30-4, 1-L100-6
- Flow Meters: 1 and 2 in EM flow meters
- Valves: Pneumatic valves from  $\frac{1}{4}$  in to 1 in
- EM Pumps yet to be received: 2-100 gpm, 1-L100-6